

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20443 - L2 Version 2
Chandra X-Ray Center

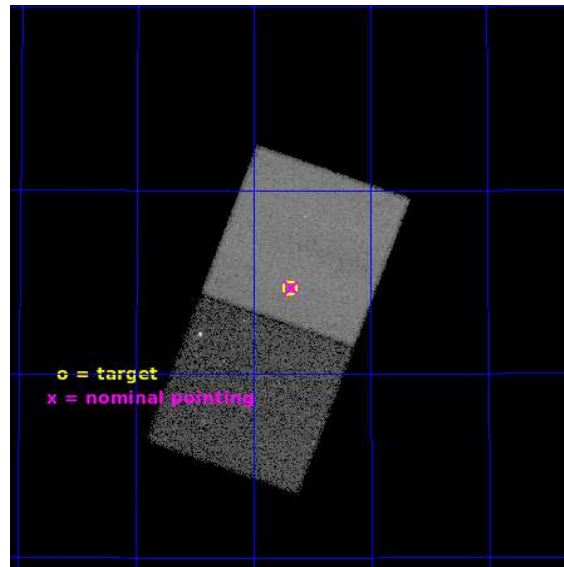
L2 Processing Date : Oct 26 2020

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1 Front

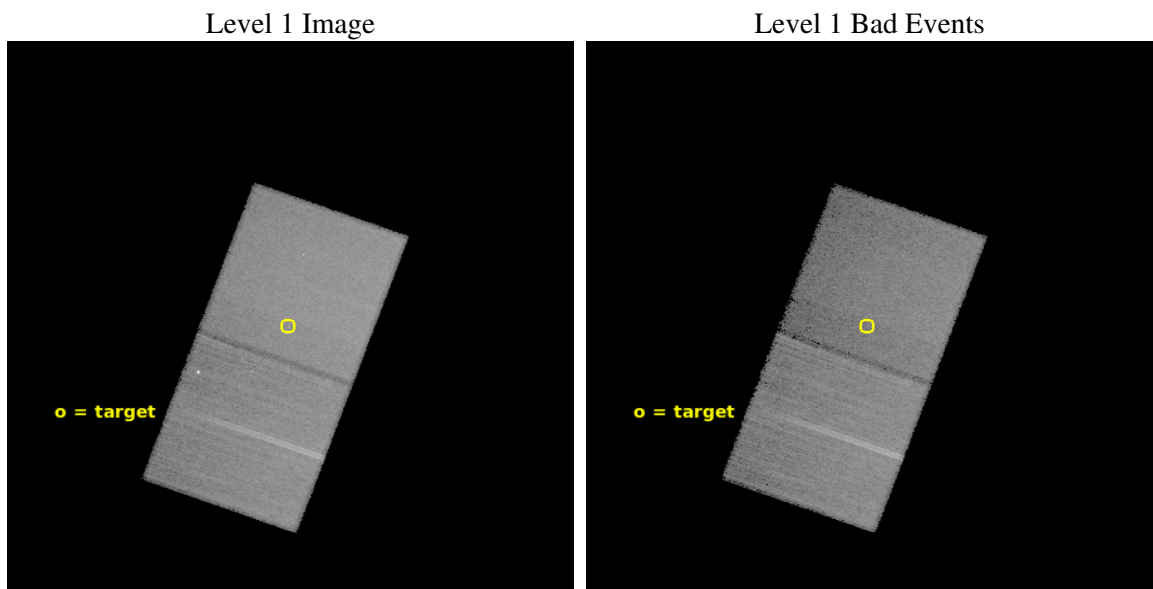
seq_num	703548	Sequence number
obs_id	20443	Observation id
title	Do the outflow properties in the most luminous quasars correlate with X-ray radiative output and host dynamical state?	Proposal title
observer	Luca Zappacosta	Principal investigator
object	SDSS J1236+6554	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	189.1725	Observer's specified target RA [deg]
dec_targ	65.911694	Observer's specified target Dec [deg]
ra_nom	189.16801769941	Nominal RA [deg]
dec_nom	65.911881929709	Nominal Dec [deg]
roll_nom	289.93263125736	Nominal Roll [deg]
revision	2	Processing version of data
ontime	45522.0	Sum of GTIs [s]
livetime	44907.663167864	Livetime [s]
ontime6	45518.959039569	Sum of GTIs [s]
ontime7	45522.0	Sum of GTIs [s]
l2events	222397	Number of level 2 events



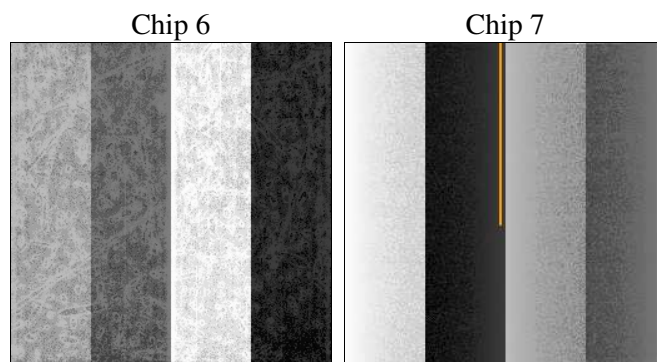
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	45441.774000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	45522.0	Sum of GTIs [s]
caldsver	4.9.3	 	ontime6	45518.959039569	Sum of GTIs [s]
date	2020-10-26T21:40:26	Date and time of file creation	ontime7	45522.0	Sum of GTIs [s]
revision	2	Processing version of data	l1events	792441	Number of level 1 events

2.1.4 Events

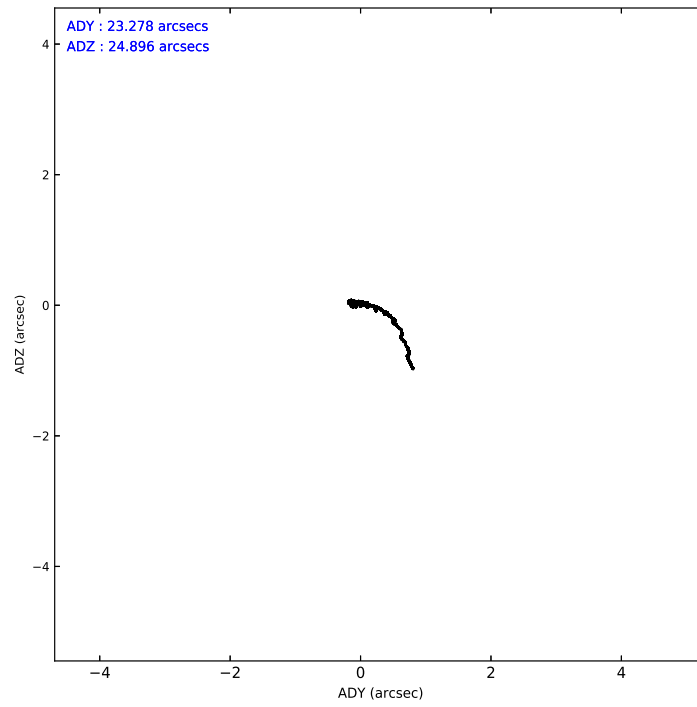
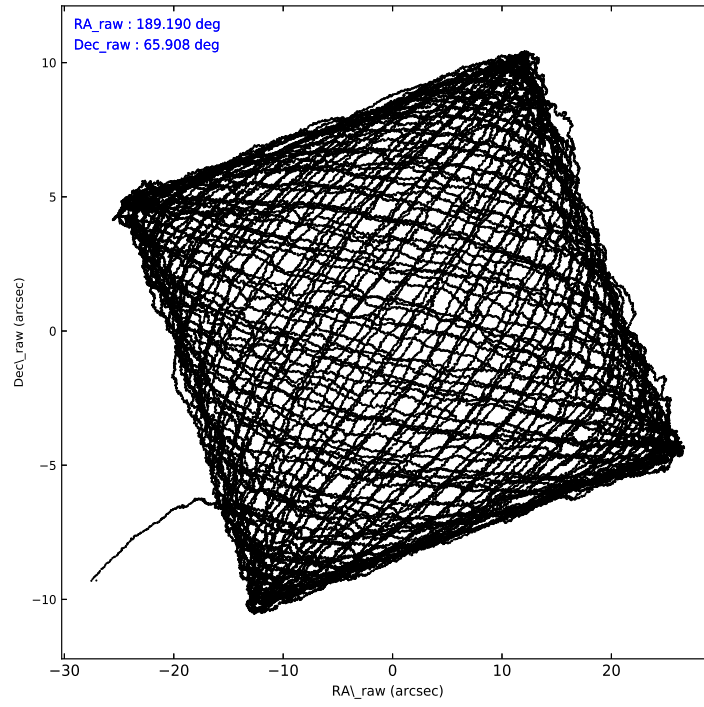
	ccd 6	ccd 7
level 1 events	356883	435558
rejected events	314610	244214
rejected %	88%	56%

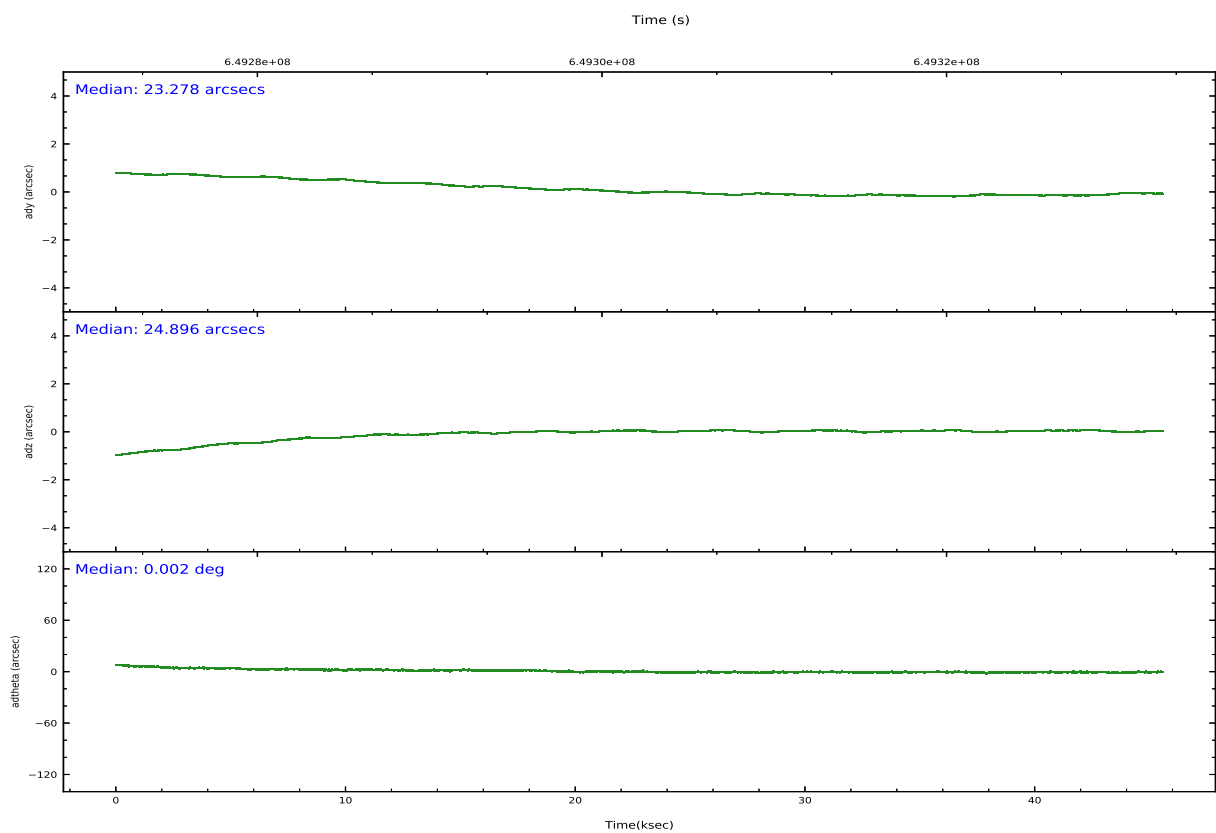
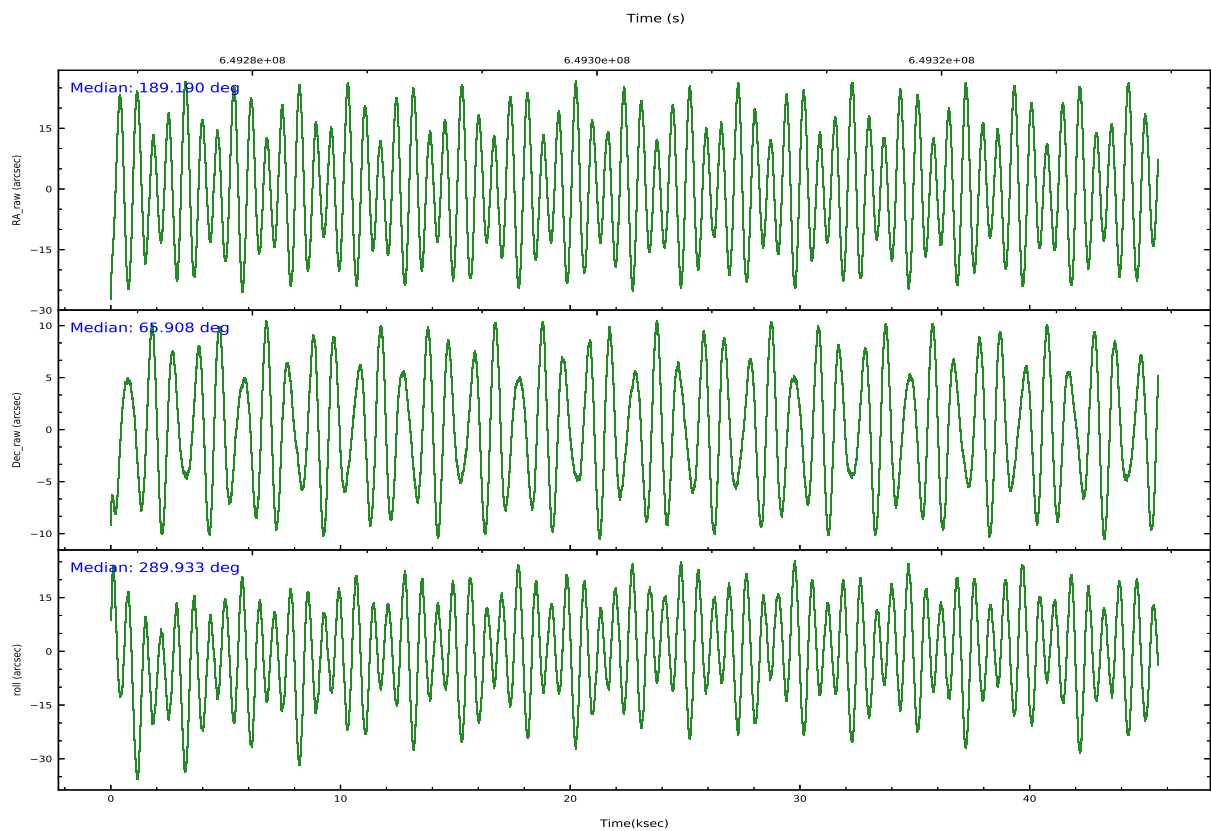
	ccd 6	ccd 7
grade 0 events	15224	16075
	4%	3%
grade 1 events	191	638
	0%	0%
grade 2 events	9611	41042
	2%	9%
grade 3 events	4107	15344
	1%	3%
grade 4 events	4071	14863
	1%	3%
grade 5 events	16420	43259
	4%	9%
grade 6 events	9261	104032
	2%	23%
grade 7 events	297998	200305
	83%	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-67	ACIS-67	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	189.137940	189.16801769941	Subarray requested	NONE	NONE
[deg] Pointing Dec	65.925308	65.911881929709	Alternating exposures requested	N	N
[deg] Pointing Roll	289.836268	289.93263125736	[s] Primary exposure time	0.000000	3
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	649278986.184000	649277884.62217			
Observation start date	2018-07-29T19:15:17	2018-07-29T18:58:04			
[s] Observation end time (MET)	649324428.184000	649325303.17498			
Observation end date	2018-07-30T07:52:39	2018-07-30T08:08:23			
Read mode	TIMED	TIMED			

2.3 Aspect



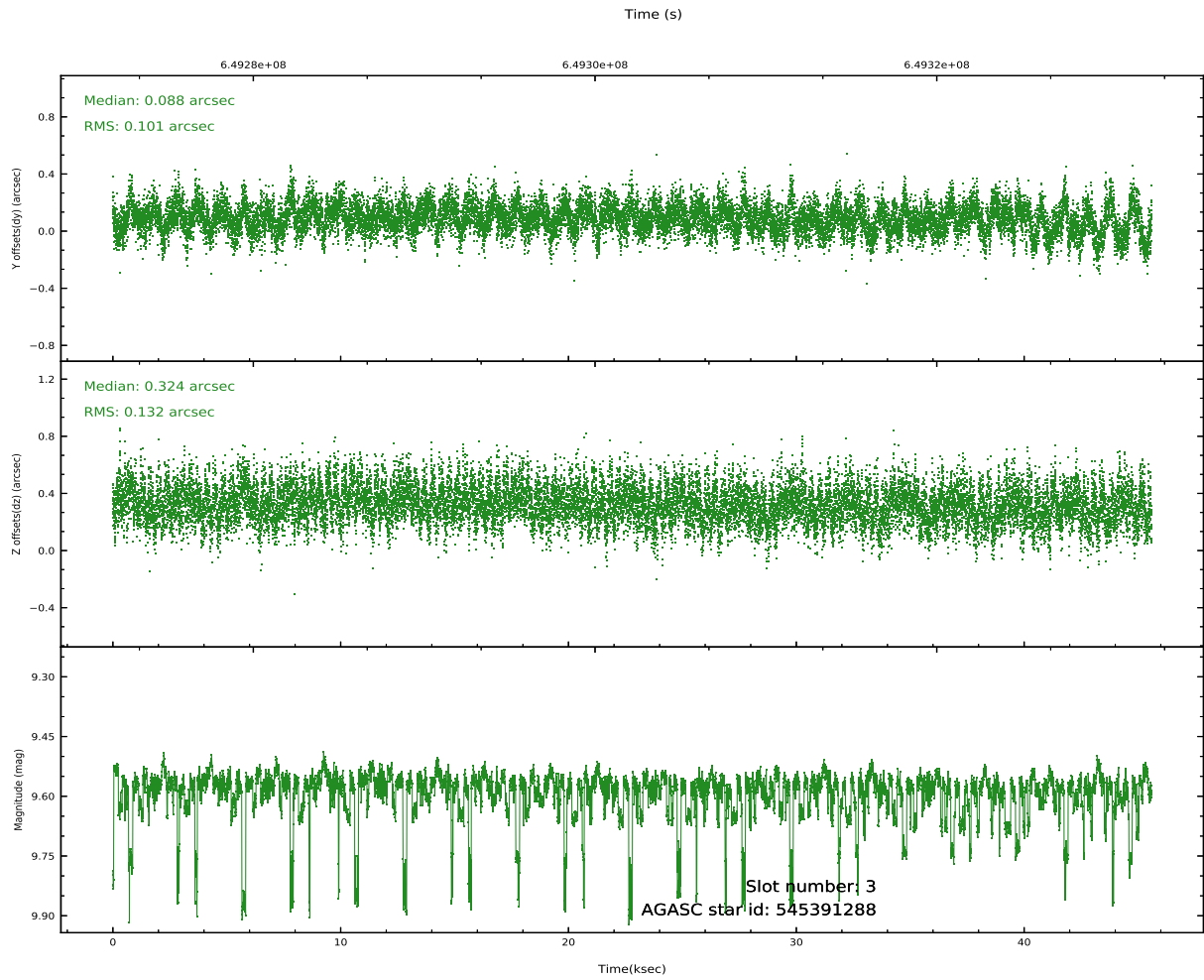
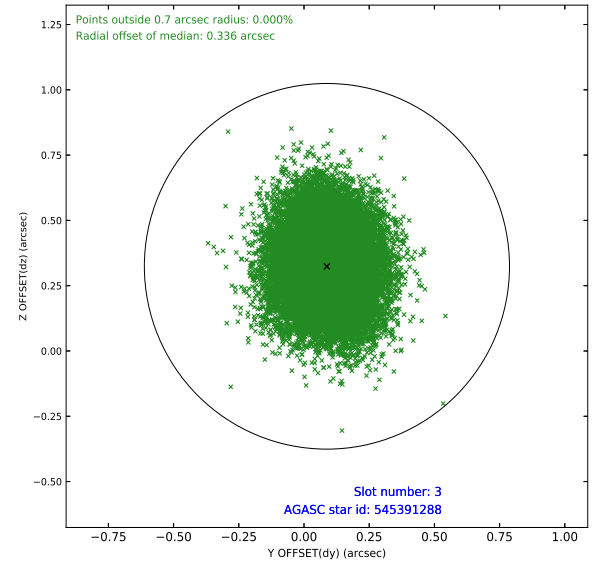
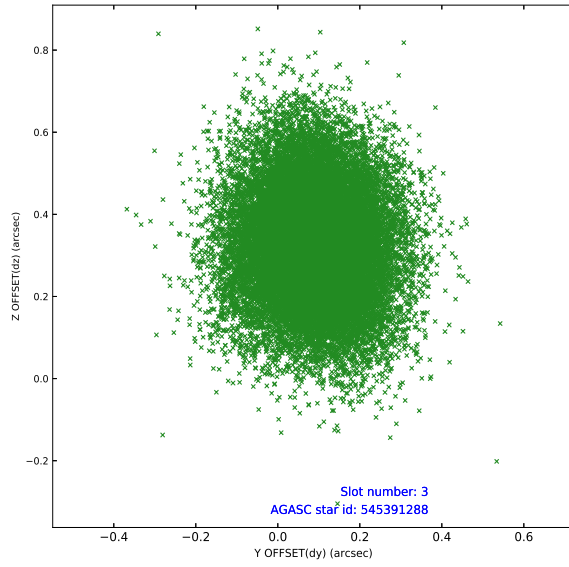


Slot Statistics

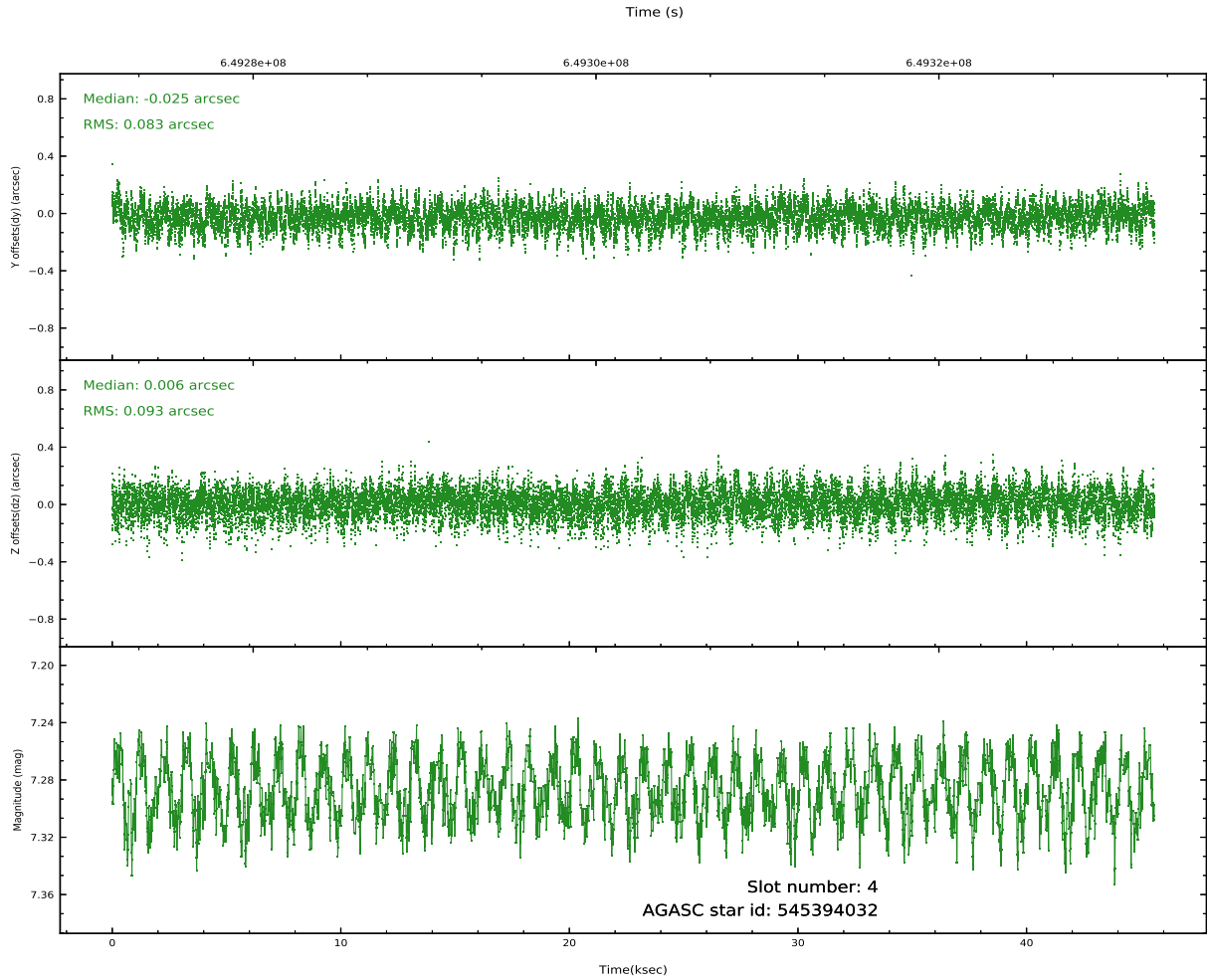
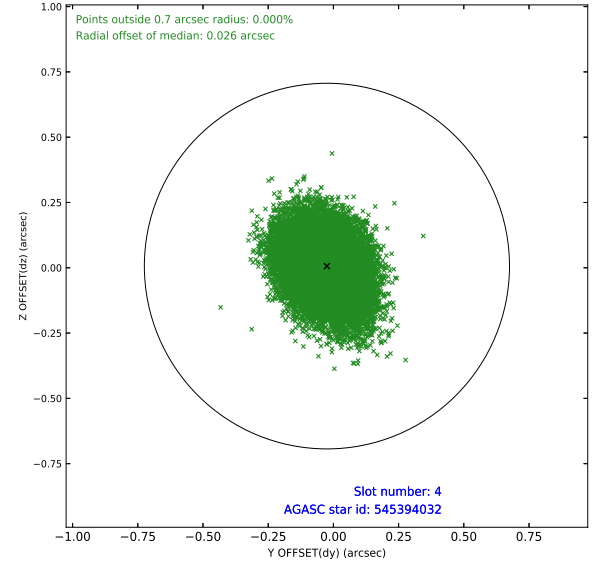
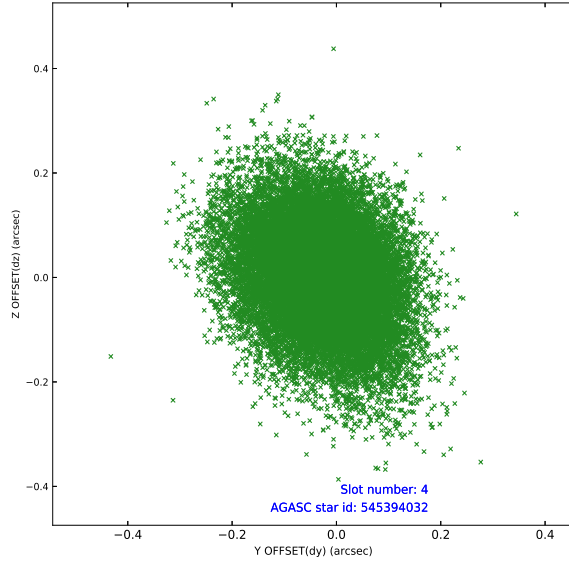
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.08	11119	1.000	0.254	-0.079	0.010	0.018	0.000000	0.000000	919.42	-1742
1	FID		ACIS-S-4	7.11	11121	1.000	0.022	-0.062	0.008	0.015	0.000000	0.000000	2136.84	161
2	FID		ACIS-S-5	7.14	11121	1.000	-0.304	0.154	0.008	0.014	0.000000	0.000000	-1829.77	156
3	GUIDE	used	545391288	9.58	22196	1.000	0.088	0.324	0.177	0.290	187.575783	66.090882	-1359.95	-1931
4	GUIDE	used	545394032	7.29	22240	1.000	-0.025	0.006	0.131	0.218	187.742432	65.897854	-624.15	-1956
5	GUIDE	used	546309464	9.32	22213	1.000	0.181	0.013	0.172	0.286	189.184921	65.233202	2368.46	-778
6	GUIDE	used	546309968	7.84	22233	1.000	-0.253	-0.190	0.172	0.267	190.824460	65.946391	735.65	2363
7	GUIDE	used	546308584	9.06	22225	1.000	0.016	-0.155	0.198	0.305	191.077395	65.664215	1818.81	2402

2.4 Star Slots

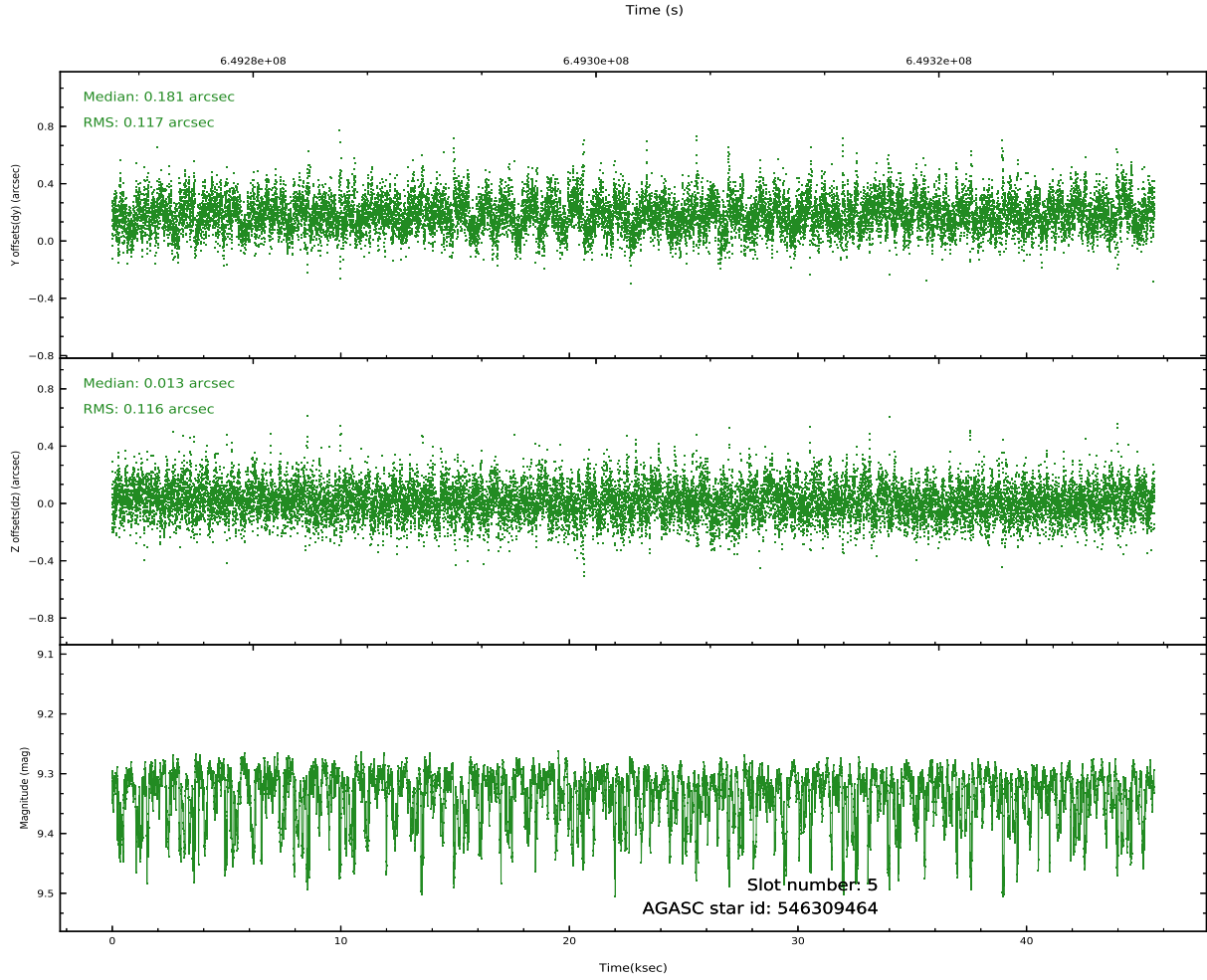
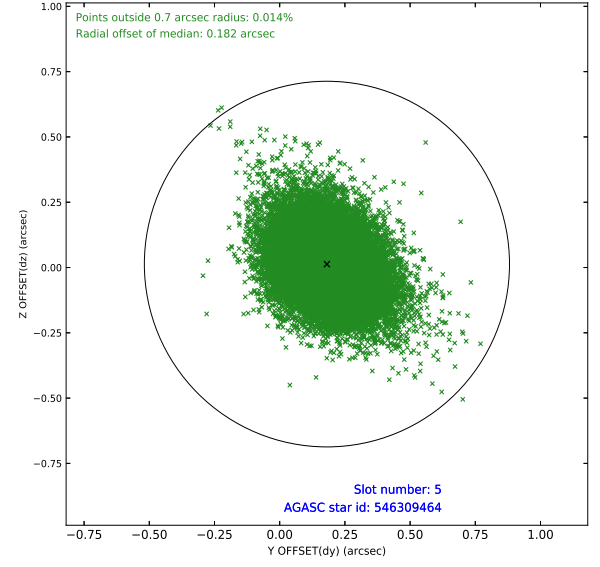
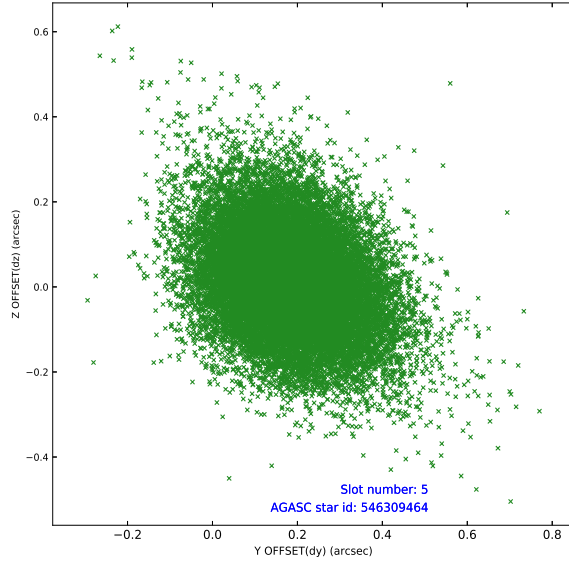
2.4.1 Slot 3



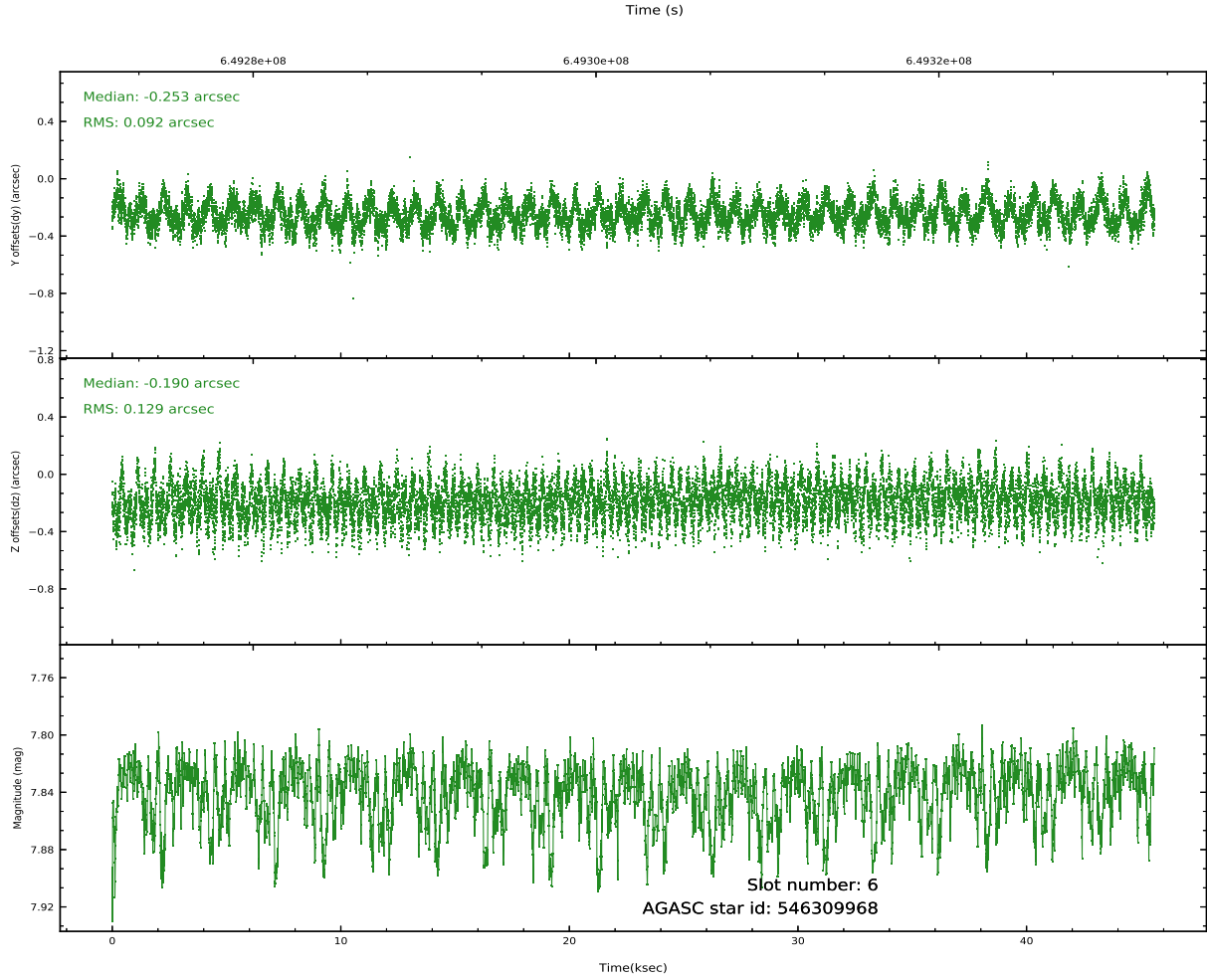
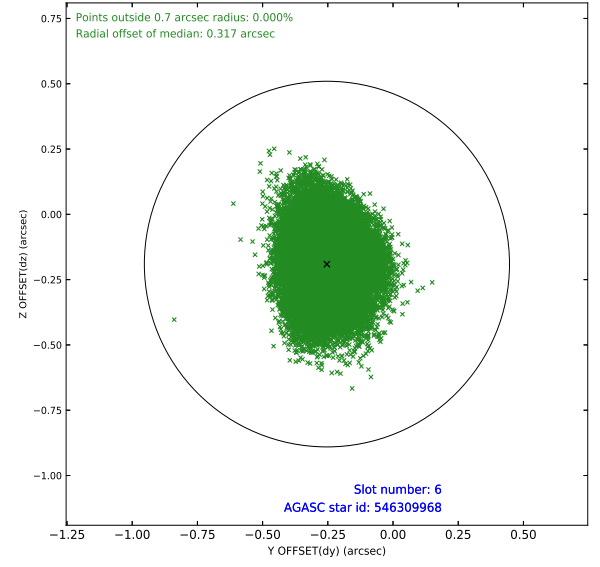
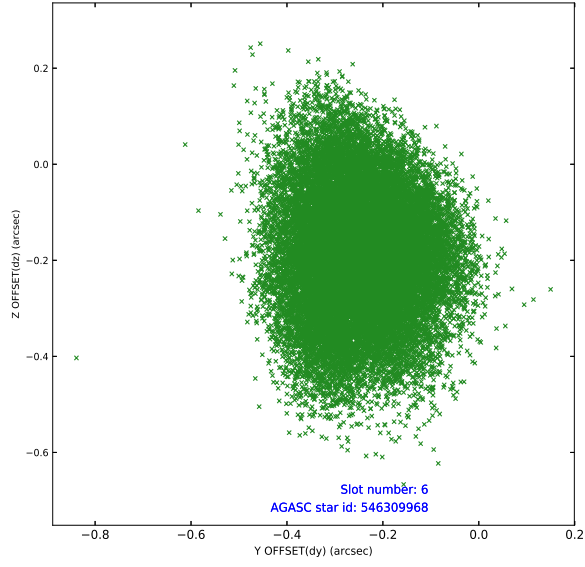
2.4.2 Slot 4



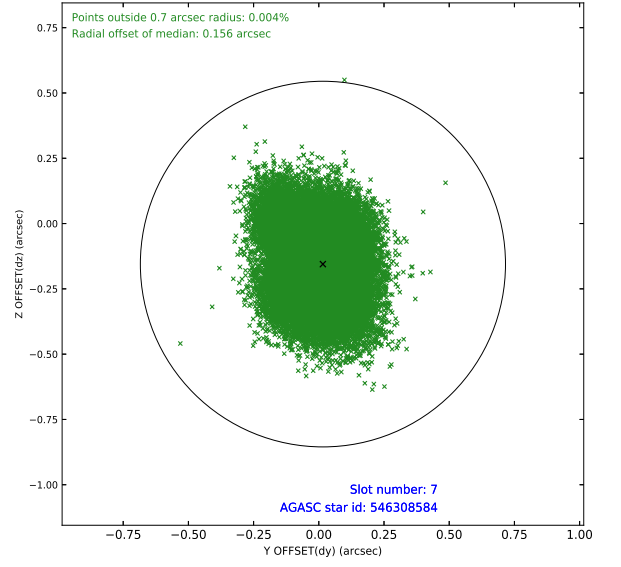
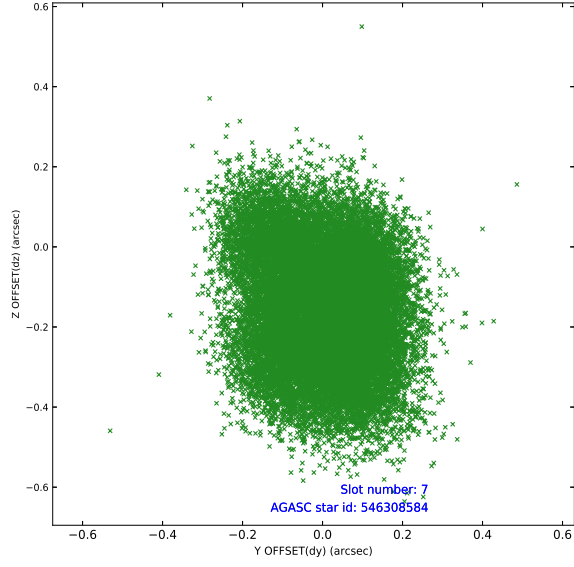
2.4.3 Slot 5



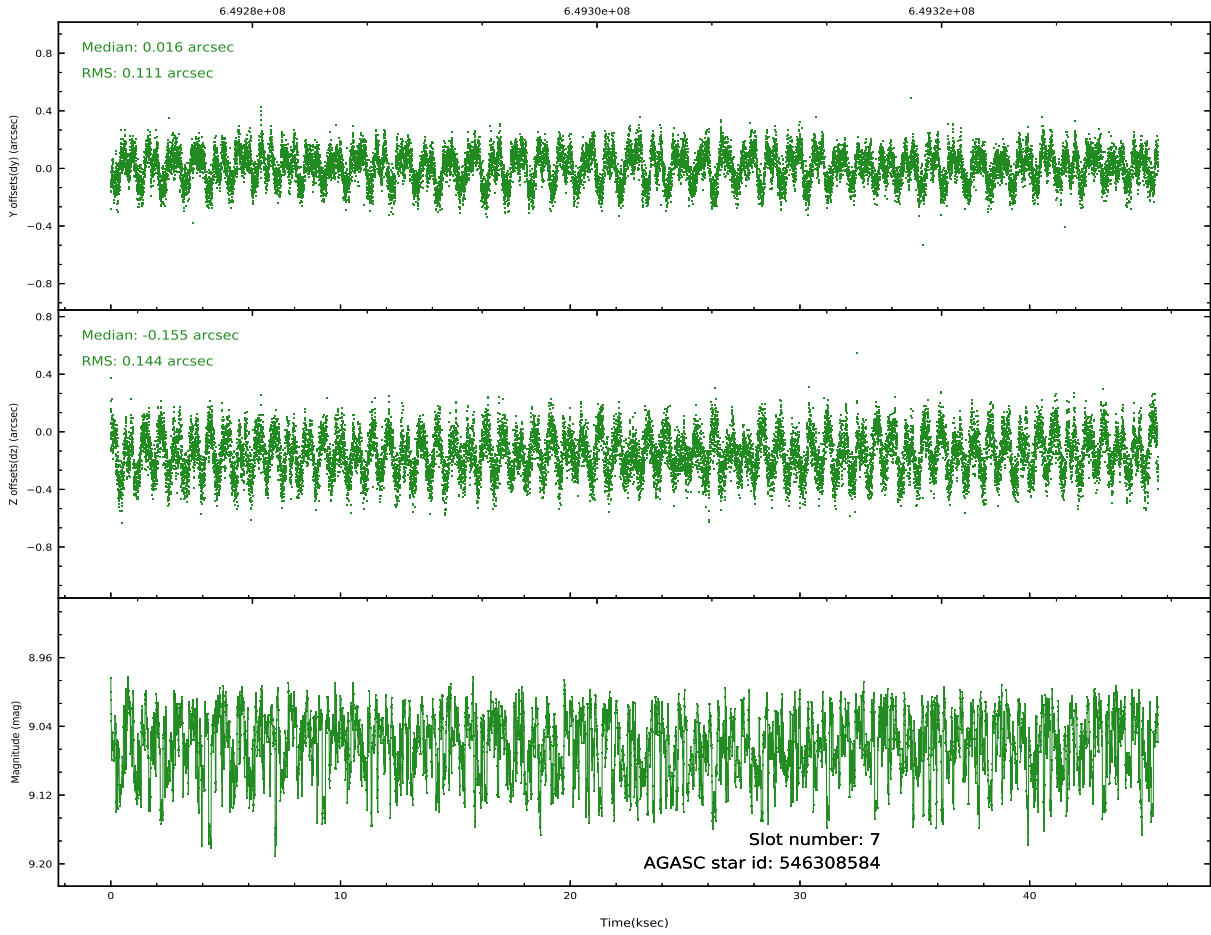
2.4.4 Slot 6



2.4.5 Slot 7

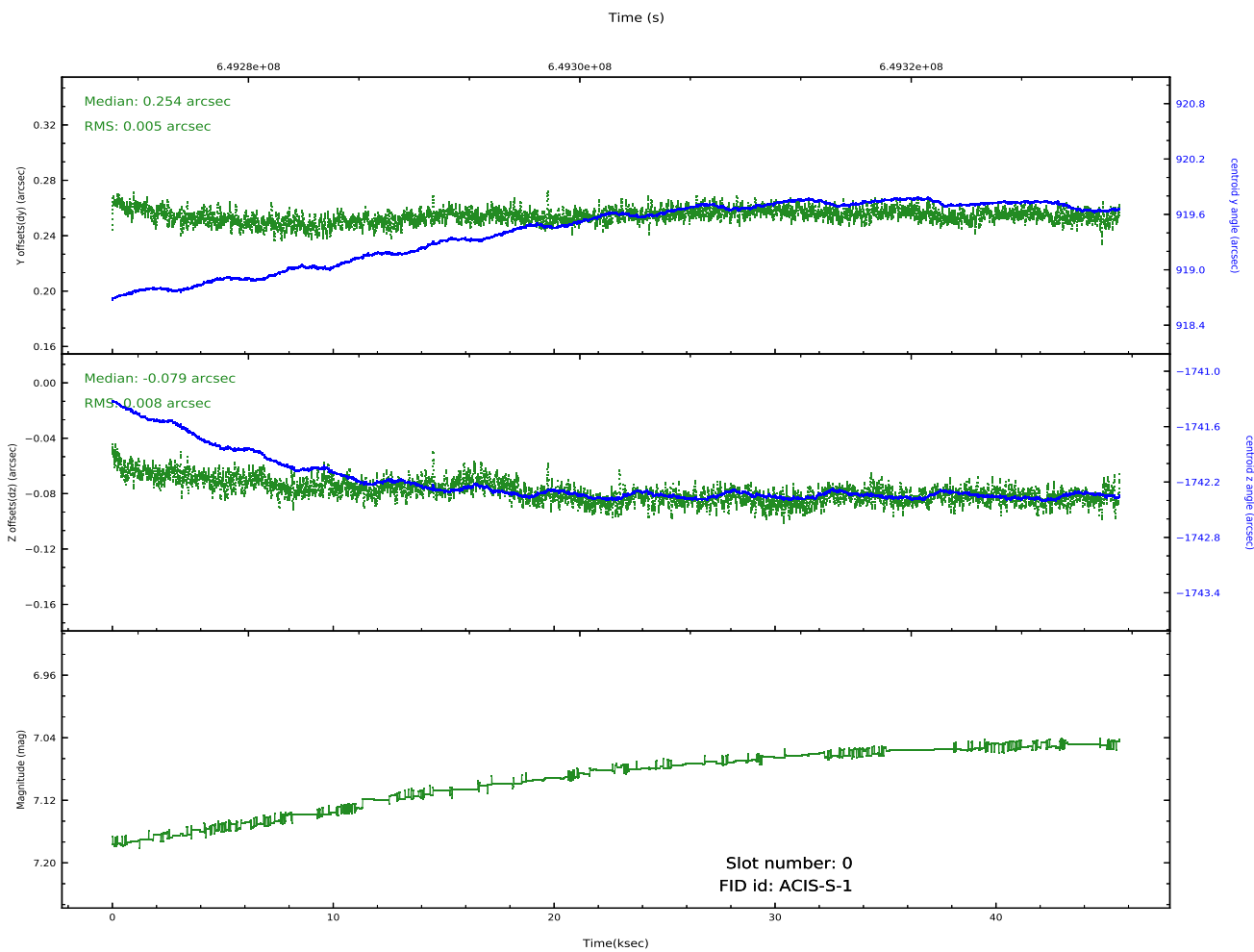
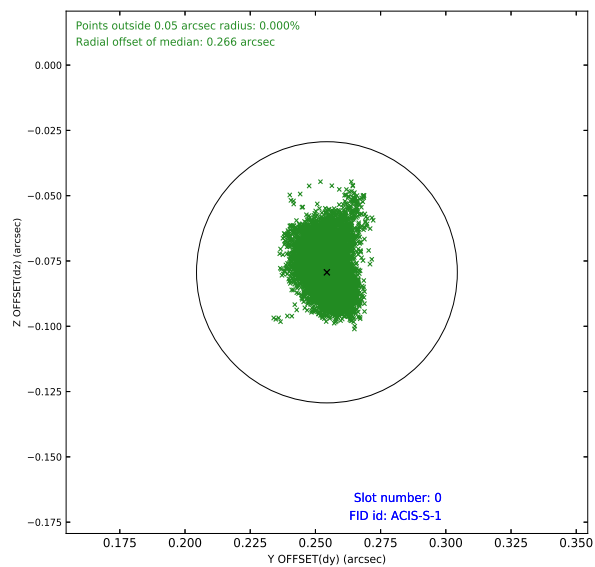
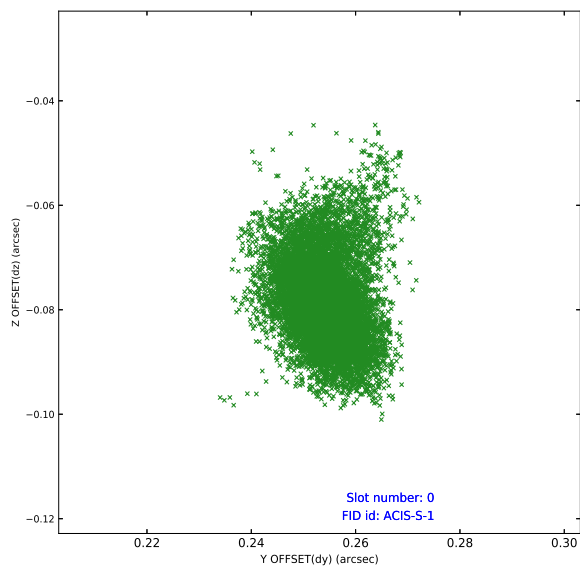


Time (s)

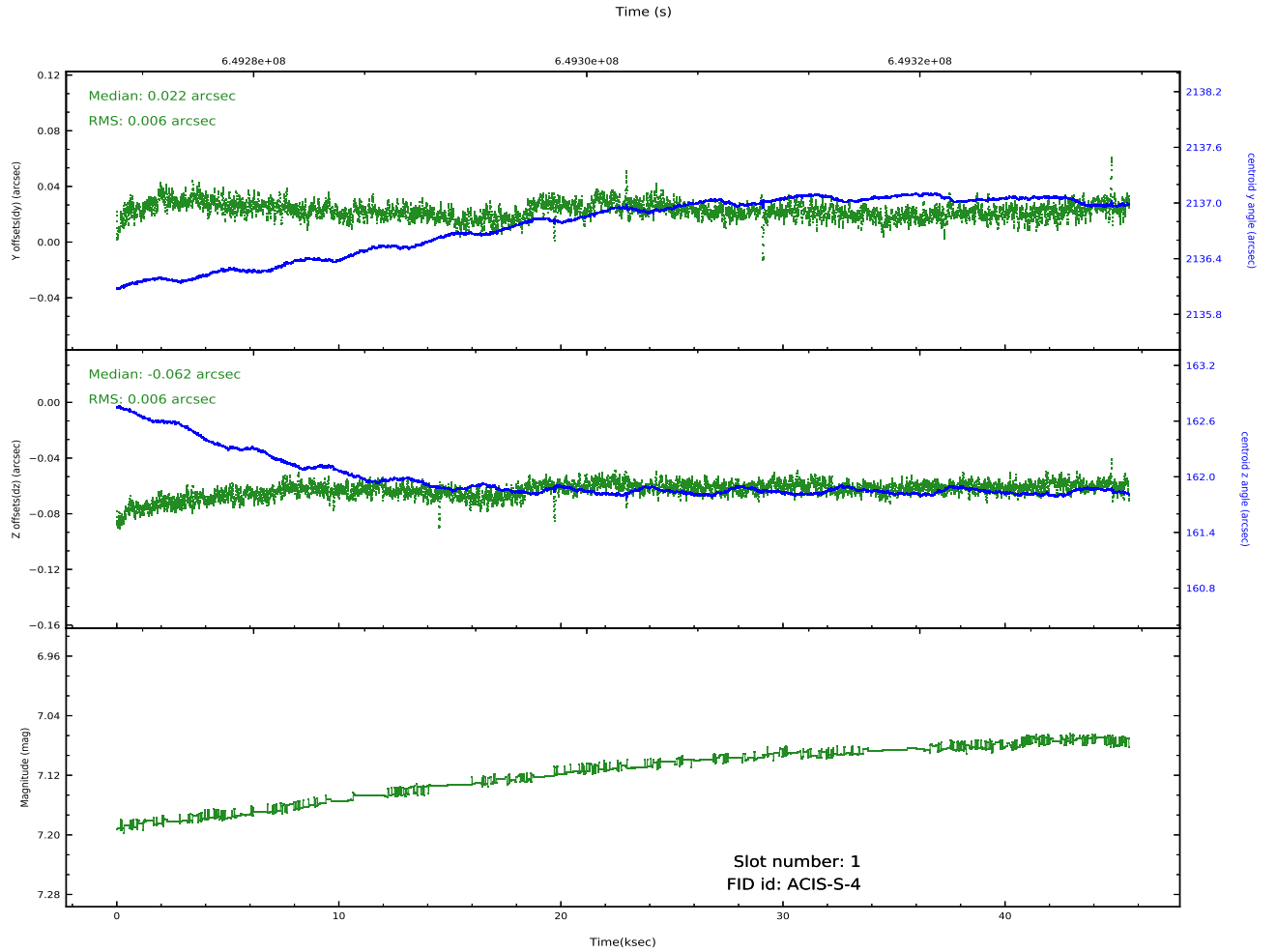
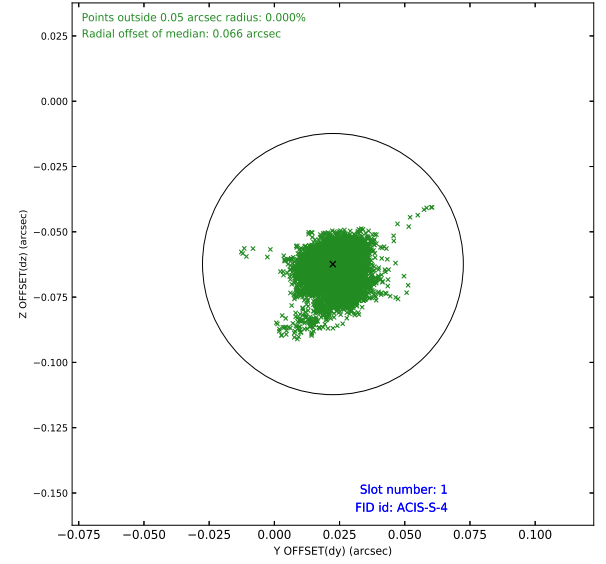
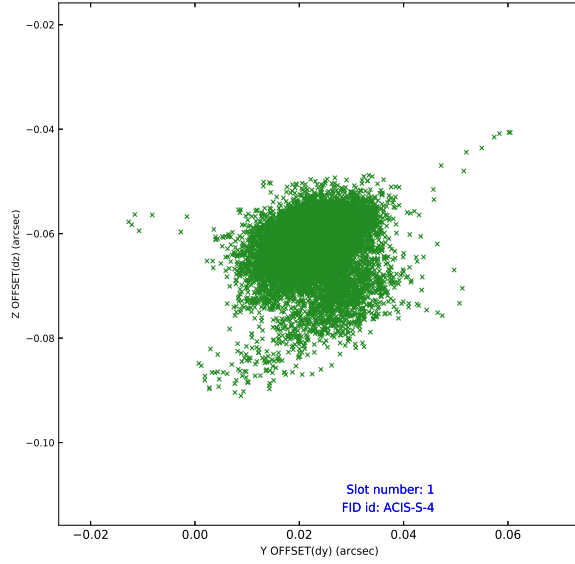


2.5 FID Slots

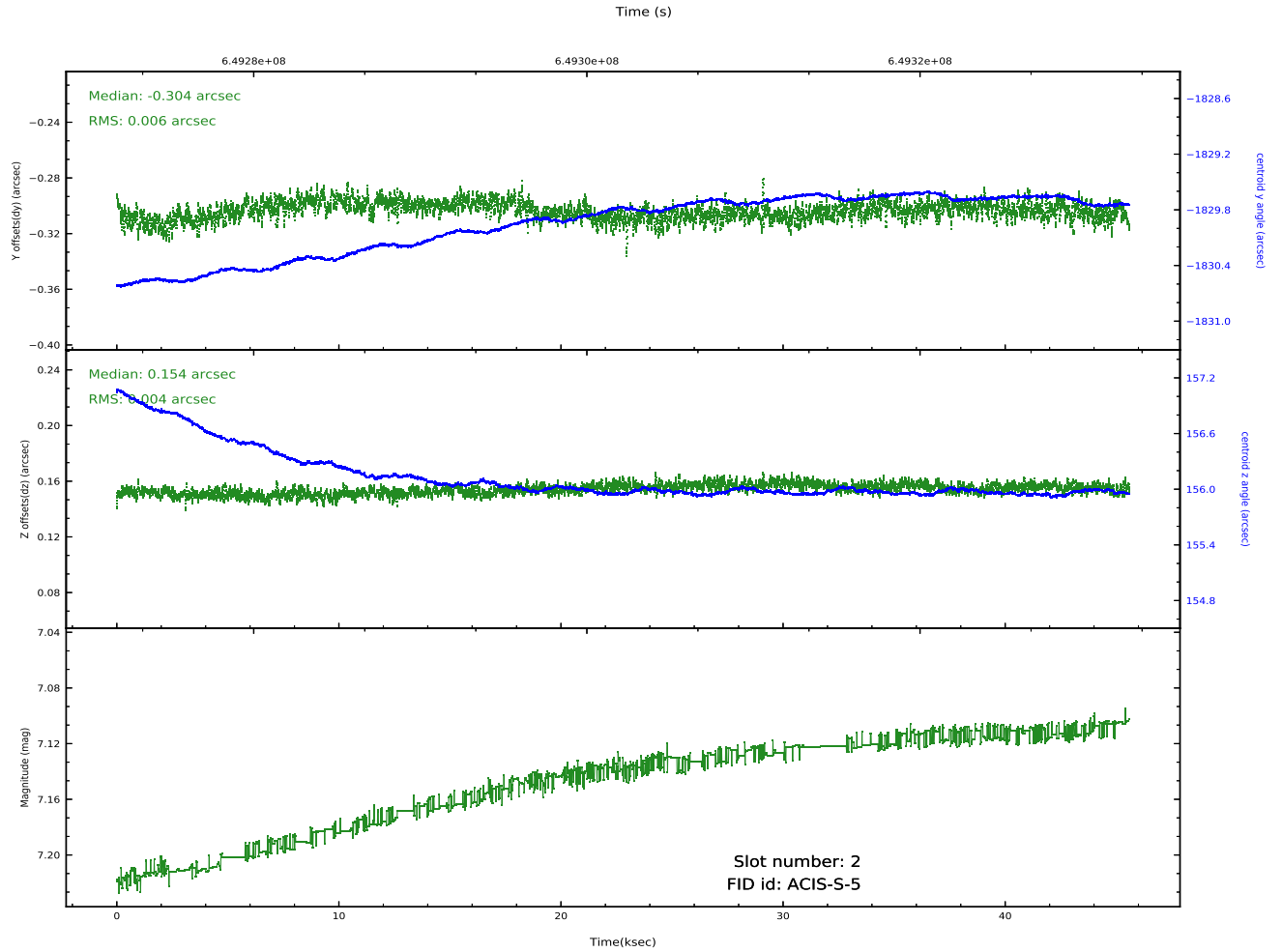
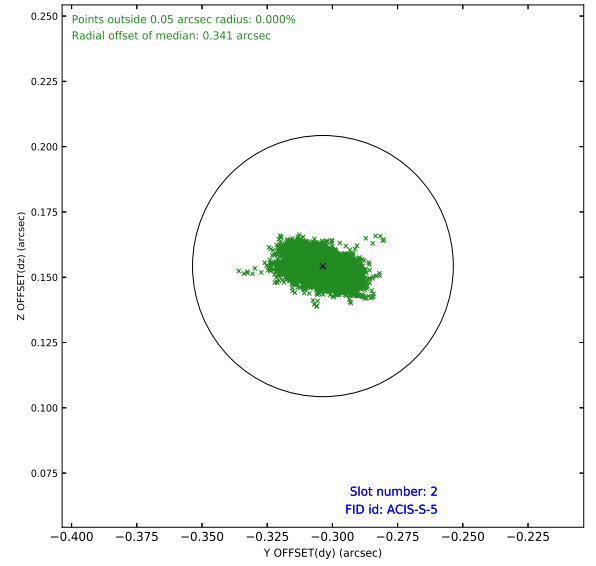
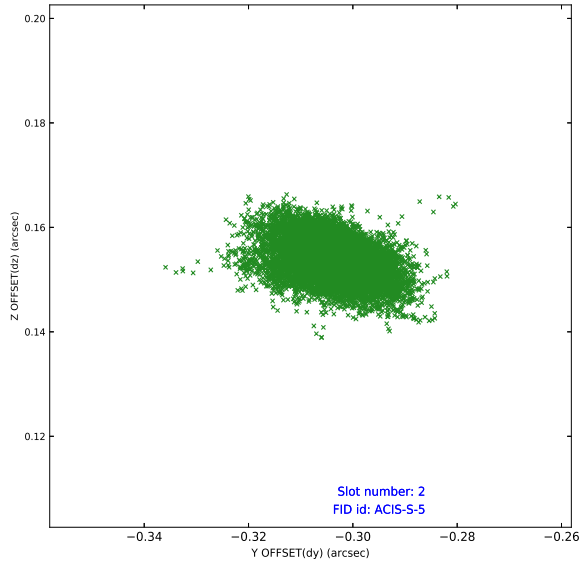
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	45.522

A.2 Comments

Joint proposal with HST.